

ABSTRACT OF THE DISCLOSURE

A capsule containing a first chemical composition useful for treating a second chemical composition is disclosed. The capsule is comprised of a hollow interior having the first chemical composition enclosed and maintained therein by a membrane. The first chemical composition and second chemical composition are reactive each with the other but neither is reactive with, soluble in or a solvent for the material of construction of the membrane. In addition, the membrane, which is comprised of at least one first material, is not soluble in water, but is permeable to water. The first material is a polyurethane-vinyl polymer. The membrane is further comprised of a second material fixed in a matrix of the first material. The first chemical composition is selected from enzymes, and organic and inorganic acids, bases, salts and oxidizing agents, such as medicines, pesticides, algaecides, herbicides, cosmetics, laundry products, pigments, polymerization initiators, cross linking agents, viscosity reducing agents and additives for adjusting the setting properties of hydraulic cement.

A method of releasing the first chemical composition from the capsule to enable reactive contact with the second chemical composition is also disclosed.